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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kil, David, et al.



Group No.: 2152

**COPY OF PAPERS  
ORIGINALLY FILED**

Serial No.: 10/087,240

Examiner:

Filed: 03/01/2002

For: ONE-STEP DATA MINING  
WITH NATURAL  
LANGUAGE SPECIFICATION  
AND RESULTS

I hereby certify that this paper is being deposited  
with the United States Postal Service as First Class  
mail in an envelope addressed to: Box Missing  
Parts, Commissioner for Patents, Washington, DC  
20231, on this date:

Attorney

Date

Docket No: 7648/82131 (00SC100/102/104)

May 9, 2002

**RESPONSE TO MISSING PARTS**

This is in response to the Notice of Missing Parts mailed April 9, 2002 with a shortened statutory period set to expire two months from the mailing date of the Notice.

Enclosed herewith is the oath and declaration that has been duly executed by the inventors, David Kil and Kenneth Williams Fertig. Also enclosed is a check in the amount of \$130 pursuant to 37 CFR 1.16(l). If additional fees are required, authorization is hereby provided to charge Deposit Account 23-0920 for such fees. A duplicate of this sheet is enclosed.

A substitute specification is submitted in accordance with 37 CFR 1.125(b). The substitute specification contains no new matter. Also enclosed is a marked up version of the substitute specification showing all of the changes to the specification of record and a copy of the substitute specification in clean form without marking as to amended material.

Also enclosed is a substitute Fig. 11, with changes indicated in red, and a second copy in black and white.

**REMARKS:**

The notice to File Missing Parts of Non-Provisional Application dated 04/09/2002 indicated that Figures 11, 13, and 14 described in the specification appear to have been omitted from the application. The attached substitute specification cancels references in the application to Figures 11, 13, and 14, to renumbers Figure 12 as Figure 11 in the specification and

Response to Missing Parts  
Applicant: Kil, David, et al.  
Serial No. 10/087,240  
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drawings, and to corrects references in the specification to correspond to the renumbered drawing Figure 12, (now Figure 11).

Respectfully submitted,

WELSH & KATZ, LTD.

By: 

Philip D. Segrest, Jr.  
Registration No. 39,021

May 9, 2002  
WELSH & KATZ, LTD.  
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82131

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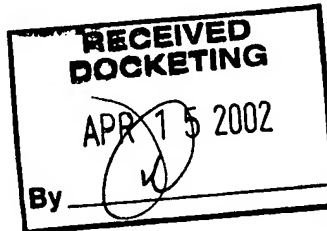


## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/087,240	03/01/2002	David Kil	82131

24628  
WELSH & KATZ, LTD  
120 S RIVERSIDE PLAZA  
22ND FLOOR  
CHICAGO, IL 60606



CONFIRMATION NO. 4273

## FORMALITIES LETTER



\*OC000000007831719\*

Date Mailed: 04/09/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The following item(s) appear to have been omitted from the application:

- Figure(s) 11,13,14 described in the specification.

I. Should applicant contend that the above-noted omitted item(s) was in fact deposited in the U.S. Patent and Trademark Office (USPTO) with the nonprovisional application papers, a copy of this Notice and a petition (and \$130.00 petition fee (37 CFR 1.17(h))) with evidence of such deposit **must** be filed within **TWO MONTHS** of the date of this Notice. The petition fee will be refunded if it is determined that the item(s) was received by the USPTO.

II. Should applicant desire to supply the omitted item(s) and accept the date that such omitted item(s) was filed in the USPTO as the filing date of the above-identified application, a copy of this Notice, the omitted item(s) (with a supplemental oath or declaration in compliance with 37 CFR 1.63 and 1.64 referring to such items), and a petition under 37 CFR 1.182 (with the \$130.00 petition fee (37 CFR 1.17(h))) requesting the later filing date **must** be filed within **TWO MONTHS** of the date of this Notice.

III. The failure to file a petition (and petition fee) under the above options (I) or (II) within **TWO MONTHS** of the date of this Notice (37 CFR 1.181(f)) will be treated as a constructive acceptance by the applicant of the application as deposited in the USPTO. **THIS TWO MONTH PERIOD IS NOT EXTENDABLE UNDER 37 CFR 1.136(a) or (b).** In the absence of a timely filed petition in reply to this Notice, the application will maintain a filing date as of the date of deposit of the application papers in the USPTO, and original application papers (*i.e.*, the original disclosure of the invention) will include only those application papers present in the USPTO on the date of

deposit.

In the event that applicant elects not to take action pursuant to options (I) or (II) above (thereby constructively electing option (III)), amendment of the specification to renumber the pages consecutively and cancel incomplete sentences caused by any omitted page(s), and/or amendment of the specification to cancel all references to any omitted drawing(s), relabel the drawing figures to be numbered consecutively (if necessary), and correct the references in the specification to the drawing figures to correspond with any relabelled drawing figures, is required. Any drawing changes should be accompanied by a copy of the drawing figures showing the proposed changes in red ink. Such amendment and/or correction to the drawing figures, if necessary, should be by way of preliminary amendment submitted prior to the first Office action to avoid delays in the prosecution of the application.

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*A copy of this notice **MUST** be returned with the reply.*



Customer Service Center

Initial Patent Examination Division (703) 308-1202

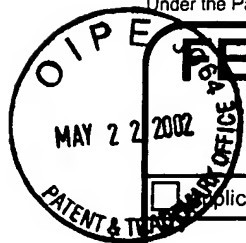
PART 2 - COPY TO BE RETURNED WITH RESPONSE

MP#

PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



# **FEE TRANSMITTAL for FY 2002**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT \$130.00**

## **Complete if Known**

Application Number	10/087,240
Filing Date	03/01/2002
First Named Inventor	Kil, David
Examiner Name	Unknown
Group Art Unit	2152
Attorney Docket No.	7648/82131

## **METHOD OF PAYMENT (check all that apply)**

☒ Check ☐ Credit card ☐ Money ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number **23-0920**

Deposit Account Name **Welsh & Katz, Ltd.**

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above identified deposit account.

## **FEE CALCULATION**

### **1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					

### **2. EXTRA CLAIM FEES FOR UTILITY AND**

		Extra Claims		Fee from below		Fee Paid
Total Claims	<input type="text"/>	- 20** =	<input type="text" value="0"/>	X	<input type="text"/>	= <input type="text" value="0.00"/>
Independent Claims	<input type="text"/>	- 3** =	<input type="text" value="0"/>	X	<input type="text"/>	= <input type="text" value="0.00"/>
Multiple Dependent					<input type="text"/>	= <input type="text"/>

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					\$0.00

\*\*or number previously paid, if greater; For Reissues, see above

## **FEE CALCULATION (continued)**

### **3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	130.00
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non - English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR § 1.17(q)	
126	180	126	180	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					
SUBTOTAL (3)					\$130.00

\*Reduced by Basic Filing Fee Paid

## **SUBMITTED BY**

Name (Print/Type)	Philip D. Segrest, Jr.	Registration No. (Attorney/Agent)	39,021	Telephone	(312) 655-1500
Signature	Philip D. Segrest, Jr.	Date	May 9, 2002		

## **Complete (if applicable)**

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.